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TECHNICAL DATA SHEET

BIORIENTED POLYPROPYLENE FILM LOW COEFFICIENT OF FRICTION

TWO –SIDE HEAT SEALABLE, ONE- SIDE TREATED

PGBTF

1. Layer 1- Surface treated terpolymer
2. Layer 2- Homopolymer
3. Layer 3- Terpolymer with low coefficient

Uses Coextruded film of low sealing temperature and very low coefficient of friction designed for printing, lamination with other film or to be used as single layer. Optimum performance in vertical and horizontal high speed packaging machines, good moisture barrier, very good gloss and transparency. Used in food packaging, such as Cookies, snacks, potato chips and others.

Technical Specifications

PROPERTIES		UNITS	VALUES		TEST CONDITIONS
Thickness		mil	1.2	1.4	
		micron	30	35	DIN 53370
Unit Weight		lb/ ream	16.8	19.6	ASTM D 2673
		gms/ m2	27.3	31.9	DIN 53352
Yield		in2/lb	26,600	22,000	ASTM D2673
		m2/kg	36.6	31.4	DIN 53352
Kinetic Coefficient of Friction NT/NT			0.23		ASTM D 1894- E / DIN 53375
Treatment Level		dynes/ cm	38		ASTM 2578
Seal Strength		gms/ inch	500	580	SIGD0 01, 234°F, 1 seg, 14 psi
		N/ 15 mm	3.0	3.5	SIGD0 01, 112°C, 1 seg, 1 bar
Seal Initial Temperature (SIT) NT/NT		° F	221		SIGD0 03
		° C	105		
Dimensional Stability	MD	%	-3.5		SIGD 0 02, 248 °F, 5 min SIGD 0 02, 120 °F, 5 min
	TD	%	1.5		
Haze		%	2.0	2.2	ASTM D 1003
Gloss (45 °)			90		ASTM D 2457
Tensile Strength	MD	lb /in2	19,000		ASTM D 882
		N/mm2	130		DIN 53455
	TD	lb/in2	34,000		ASTM D 882
		N / mm 2	240		DIN 53455
Elongation at break	MD	%	200		ASTM D 882
	TD	%	60		
Water Vapor Transmission Rate		gm/ 100 in2/ day	0.42	0.39	ASTMD 1249F
		gm/ m2 / day	6.5	6.0	

FURTHER SPECIFICATIONS ON REQUEST

MD Machine direction

TD Transverse direction

CI/ CI Inner layer/ Inner Layer

Films are supplied with external surface treatment

NOTE:



The above-mentioned data have been obtained using standard test procedures on defined specimens, and are provided in good faith. These results should therefore be regarded only as a general guide to material properties. It is for the customer to determine / decide a product's suitability for his / her own particular purpose. **IMPEX GLOBAL FILMS** does not claim and responsibility of the product for any particular purpose.